#### PATENT COOPERATION TREATY

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From the INTERNATIONAL SEARCHING AUTHORITY

NOTIFICATION OF TRANSMITTAL OF

To: MEWBURN ELLIS LLP York House Attn. Kremer, Simon 23 Kingsway London, Greater London WC2B 6HP UNITED KINGDOM MEWBURN ELLIS LLP

THE INTERNATIONAL SEARCH REPORT AND THE WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY, OR THE DECLARATION

(PCT Rule 44.1)

Date of mailing (day/month/year)

	15/03/2005
Applicant's or agent's file reference	
SMK/6254247	FOR FURTHER ACTION See paragraphs 1 and 4 below
International application No.	International filing date
PCT/GB2004/005058	(day/month/year) 30/11/2004
Applicant	

PLANT BIOSCIENCE LIMITED

1. [X] The applicant is hereby notified that the international search report and the written opinion of the International Searching Authority have been established and are transmitted herewith. Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the claims of the International Application (see Rule 46): The time limit for filing such amendments is normally 2 months from the date of transmittal of the When? International Search Report; however, for more details, see the notes on the accompanying sheet. International Bureau of WIPO, 34 chemin des Colombettes 1211 Geneva 20, Switzerland, Fascimile No.: (41–22) 740.14.35 Where? Directly to the For more detailed instructions, see the notes on the accompanying sheet. The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect and the written opinion of the International Searching Authority are transmitted herewith. With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that: the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices. no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made. 4. Reminders Shortly after the expiration of 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, before the completion of the technical preparations for international publication. The applicant may submit comments on an informal basis on the written opinion of the International Searching Authority to the International Bureau. The International Bureau will send a copy of such comments to all designated Offices unless an international preliminary examination report has been or is to be established. These comments would also be made available to the public but not before the expiration of 30 months from the priority date. Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise, the applicant must, within 20 months from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices. In respect of other designated Offices, the time limit of 30 months (or later) will apply even if no demand is filed within 19 months

Name and mailing address of the International Searching Authority European Patent Office, P.B. 5818 Patentlaan 2

Guide, Volume II, National Chapters and the WIPO Internet site.

See the Annex to Form PCT/IB/301 and, for details about the applicable time limits, Office by Office, see the PCT Applicant's

Authorized officer

Wolfgang-Peter Schießl

NL-2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016

Form PCT/ISA/220 (January 2004)

#### NOTES TO FORM PCT/ISA/220

Inese Notes are intended to give the basic instructions concerning the filing of amendments under article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article", "Rule", and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions respectively.

#### **INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19**

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international pbulication. Furthermore, it should be emphasized that provisional protection is available in some States only.

#### What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the international phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

#### When?

Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

#### Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been its filed, see below.

#### How?

Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

#### What documents must/may accompany the amendments?

#### Letter (Section 205(b)):

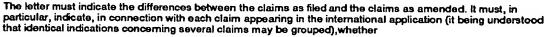
The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.

Notes to Form PCT/ISA/220 (first sheet) (January 1994)

#### NOTES TO FORM PCT/ISA/220 (continued)



- (i) the claim is unchanged;
- (ii) the claim is cancelled;
- (iii) the claim is new;
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.

# The following examples illustrate the manner in which amendments must be explained in the accompanying letter:

- [Where originally there were 48 claims and after amendment of some claims there are 51]:
   \*Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers; claims 30, 33 and 36 unchanged; new claims 49 to 51 added.\*
- [Where originally there were 15 claims and after amendment of all claims there are 11]: "Claims 1 to 15 replaced by amended claims 1 to 11."
- [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims]:
   "Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or
   "Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
- 4. [Where various kinds of amendments are made]: "Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

#### "Statement under article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

#### It must be in the language in which the international appplication is to be published.

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It may not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

#### Consequence if a demand for international preliminary examination has already been filed

If, at the time of filing any amendments under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the same time of filing the amendments with the International Bureau, also file a copy of such amendments with the International Preliminary Examining Authority (see Rule 62.2(a), first sentence).

#### Consequence with regard to translation of the international application for entry into the national phase

The applicant's attention is drawn to the fact that, where upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see Volume II of the PCT Applicant's Guide.

# PATENT COOPERATION TREATY



## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER	Farm DOT/10 A /000				
SMK/6254247		see Form PCT/ISA/220 as, where applicable, item 5 below.				
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)				
PCT/GB2004/005058 30/11/2004 02/12/2003						
Applicant						
PLANT BIOSCIENCE LIMITED						
This International Search Report has been according to Article 18. A copy is being tra	n prepared by this International Searching Auth ansmitted to the International Bureau.	nority and is transmitted to the applicant				
This International Search Report consists	of a total of sheets.					
X It is also accompanied by	a copy of each prior art document cited in this	report.				
Basis of the report						
<ul> <li>With regard to the language, the language in which it was filed, unl</li> </ul>	international search was carried out on the bas ess otherwise indicated under this item.	sis of the international application in the				
The international this Authority (Rul	search was carried out on the basis of a transk	ation of the international application furnished to				
	otide and/or amino acid sequence disclosed	in the international application, see Box No. I.				
2. Certain claims were four	nd unsearchable (See Box II).					
3. Unity of invention is laci	king (see Box III).					
4. With regard to the title,						
X the text is approved as sul	bmitted by the applicant.					
	hed by this Authority to read as follows:					
5. With regard to the abstract,						
X the text is approved as sub						
may, within one month from	ned, according to Rule 38.2(b), by this Authority on the date of mailing of this international searc	y as it appears in Box No. IV. The applicant h report, submit comments to this Authority.				
6. With regard to the drawings,						
a. the figure of the drawings to be pu	ublished with the abstract is Figure No					
as suggested by the						
	Authority, because the applicant failed to sugg					
	Authority, because this figure better character published with the abstract.	izes the invention.				

International application No.

PCT/GB2004/005058

Вδ	No. I	Nucleotide and/or amino acid sequence(s) (Continuation of item 1.b of the first sheet)
1,	With	regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed ntion, the international search was carried out on the basis of:
	a.	type of material  X a sequence listing table(s) related to the sequence listing
	b.	format of material  X in written format  X in computer readable form
	c.	time of filing/furnishing  contained in the international application as filed  filed together with the international application in computer readable form  furnished subsequently to this Authority for the purpose of search
2.	х	In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
3.	Addit	litional comments:

International Application No PCT/GB2004/005058

A. CLASSIFICATION OF SUBJECT MATTER  7 C12N9/12 C12N15/82							
According to International Patent Classification (IPC) or to both national classification and IPC							
B. FIELDS	SEARCHED						
Minimum do IPC 7	Minimum documentation searched (classification system followed by classification symbols)						
	Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched						
Electronic d	ata base consulted during the international search (name of data bas	se and, where practical, search terms used)					
EPO-Internal, PAJ, WPI Data, Sequence Search, BIOSIS							
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT						
Category °	Citation of document, with indication, where appropriate, of the rele	evant passages Relevant to claim No.					
A	ZAHN-ZABAL M ET AL: "Development stable cell lines for production regulated expression using matrix attachment regions" JOURNAL OF BIOTECHNOLOGY, ELSEVIE PUBLISHERS, AMSTERDAM, NL, vol. 87, no. 1, 27 April 2001 (2001-04-27), pages XP004231294 ISSN: 0168-1656  WO 01/38512 A (PLANT BIOSCIENCE L BAULCOMBE, DAVID, CHARLES; VOINNE OLIVIER;) 31 May 2001 (2001-05-31)	or R SCIENCE 29-42, IMITED;					
А							
X Furti	ner documents are listed in the continuation of box C.	Patent family members are listed in annex.					
° Special ca	tenarios of alted decuments						
"A" docume consid "E" earlier o	ent defining the general state of the art which is not lered to be of particular relevance document but published on or after the international	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention  "X" document of particular relevance; the claimed invention					
which citation	ent which may throw doubts on priority claim(s) or is cited to establish the publication date of another or other special reason (as specified)	cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone  "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the					
other r	"O" document referring to an oral disclosure, use, exhibition or other means  "P" document published prior to the international filing date but  "Carmind be considered of movie other white step when the document is combined with one or more other such document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.						
later th		*&* document member of the same patent family  Date of mailing of the international search report					
	February 2005	15/03/2005					
Name and r	nailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2	Authorized officer					
NL – 2280 HV Rijswijk							
	Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Keller, Y					

3

International Application No
PCT/GB2004/005058

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT  C. Dry * Citation of document, with indication, where appropriate, of the relevant passages  A VOINNET OLIVIER ET AL: "Suppression of gene silencing: A general strategy used by diverse DNA and RNA viruses of plants" PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA, NATIONAL ACADEMY OF SCIENCE. WASHINGTON, US, vol. 96, no. 24, 23 November 1999 (1999–11–23), pages 14147–14152, XP002174430 ISSN: 0027–8424  X LIU J-W ET AL: "THE INFLUENCE OF TWO PLANT NUCLEAR MATRIX ATTACHMENT REGIONS (MARS) ON GENE EXPRESSION IN TRANSGENIC PLANTS"	Relevant to claim No.
A VOINNET OLIVIER ET AL: "Suppression of gene silencing: A general strategy used by diverse DNA and RNA viruses of plants" PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA, NATIONAL ACADEMY OF SCIENCE. WASHINGTON, US, vol. 96, no. 24, 23 November 1999 (1999–11–23), pages 14147–14152, XPO02174430 ISSN: 0027–8424  X LIU J-W ET AL: "THE INFLUENCE OF TWO PLANT NUCLEAR MATRIX ATTACHMENT REGIONS (MARS) ON GENE EXPRESSION IN TRANSGENIC PLANTS"	
gene silencing: A general strategy used by diverse DNA and RNA viruses of plants" PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA, NATIONAL ACADEMY OF SCIENCE. WASHINGTON, US, vol. 96, no. 24, 23 November 1999 (1999-11-23), pages 14147-14152, XP002174430 ISSN: 0027-8424  LIU J-W ET AL: "THE INFLUENCE OF TWO PLANT NUCLEAR MATRIX ATTACHMENT REGIONS (MARS) ON GENE EXPRESSION IN TRANSGENIC PLANTS"	28-31
PLANT NUCLEAR MATRIX ATTACHMENT REGIONS (MARS) ON GENE EXPRESSION IN TRANSGENIC PLANTS"	28-31
MOLECULAR AND GENERAL GENETICS, SPRINGER VERLAG, BERLIN, DE, vol. 39, no. 1, 1998, pages 115-123, XP002910494 ISSN: 0026-8925 the whole document	

Information on patent family members

International Application No
PCT/GB2004/005058

0	Patent document cited in search report	Publication date					
	WO 0138512	Α	31-05-2001	AU CA EP WO JP MX NZ ZA	1533401 A 2390152 A1 1232274 A2 0138512 A2 2003514585 T PA02005089 A 518947 A 200203388 A	21-08-2002	
	WO 02074969	A	26-09-2002	CA EP WO JP US	2435972 A1 1395669 A2 02074969 A2 2004519246 T 2003087342 A1	10-03-2004 26-09-2002 02-07-2004	

# **PATENT COOPERATION TREATY**

То:				PCT			
see form	PCT/ISA/220			ITEN OPINION OF THE NAL SEARCHING AUTHORITY			
			(	(PCT Rule 43 <i>bis</i> .1)			
			Date of mailing (day/month/year) s	ee form PCT/ISA/210 (second sheet)			
Applicant's or agent's file see form PCT/ISA/2			FOR FURTHER See paragraph 2 bel				
International application PCT/GB2004/00505		International filing date (a 30.11.2004	day/month/year)	Priority date (day/month/year) 02.12.2003			
International Patent Clast C12N9/12, C12N15	ssification (IPC) or I	both national classification	and IPC				
Applicant							
PLANT BIOSCIENC	CE LIMITED						
1. This opinion contains indications relating to the following items:  □ Box No. I □ Basis of the opinion □ Box No. II □ Priority □ Box No. III □ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability □ Box No. IV □ Lack of unity of invention □ Box No. V □ Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement □ Box No. VI □ Certain documents cited □ Box No. VII □ Certain defects in the international application □ Box No. VIII □ Certain observations on the international application □ Box No. VIII □ Certain observations on the international application □ Purther Action If a demand for international preliminary examination is made, this opinion will usually be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA"). However, this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1 bis(b) that written opinions of this International Searching Authority will not be so considered.							
If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of three months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.							
	o lator.		For further options, see Form PCT/ISA/220.				
whichever expire		T/ISA/220.					
whichever expire	ns, see Form PC	T/ISA/220. orm PCT/ISA/220.					
whichever expire	ns, see Form PC						



European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465

Keller, Y

Telephone No. +49 89 2399-7419



# WRITTEN OPINION OF THE IN RNATIONAL SEARCHING AUTHORITY

International application No. PCT/GB2004/005058

	Во	x N	o. I Basis of the opinion
1.	Wit the	h re Ian	egard to the <b>language</b> , this opinion has been established on the basis of the international application in guage in which it was filed, unless otherwise indicated under this item.
		ıaı	nis opinion has been established on the basis of a translation from the original language into the following nguage , which is the language of a translation furnished for the purposes of international search nder Rules 12.3 and 23.1(b)).
2.	Wit	h re cess	egard to any <b>nucleotide and/or amino acid sequence</b> disclosed in the international application and sary to the claimed invention, this opinion has been established on the basis of:
	a. t	ype	of material:
	!	Ø	a sequence listing
	1		table(s) related to the sequence listing
	b. f	orm	at of material:
	ł	$\boxtimes$	in written format
	(	$\boxtimes$	in computer readable form
	c. ti	ime	of filing/furnishing:
	[		contained in the international application as filed.
			filed together with the international application in computer readable form.
	[	$\boxtimes$	furnished subsequently to this Authority for the purposes of search.
3.	⊠	co	addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto s been filed or furnished, the required statements that the information in the subsequent or additional pies is identical to that in the application as filed or does not go beyond the application as filed, as propriate, were furnished.

4. Additional comments:

# WRITTEN OPINION OF THE INTRINATIONAL SEARCHING AUTHORITY

International application No. PCT/GB2004/005058

_	Во	x No. II	Priority		<del></del>	
1.		The fol	lowing document h	as not bee	en furnishe	d:
			copy of the earlier	applicatio	n whose p	riority has been claimed (Rule 43bis.1 and 66.7(a)).
			translation of the e	arlier app	lication wh	ose priority has been claimed (Rule 43bis.1 and 66.7(b)).
		Consec	quently it has not be neless been establis	een possib shed on th	ole to consi e assumpt	ider the validity of the priority claim. This opinion has tion that the relevant date is the claimed priority date.
2.		nas be	oinion has been est en found invalid (Ru ate indicated above	Jies 43 <i>Dis</i>	.1 and 64.	rity had been claimed due to the fact that the priority claim  1). Thus for the purposes of this opinion, the international the relevant date.
3.	It has not been possible to consider the validity of the priority claim because a copy of the priority document was not available to the ISA at the time that the search was conducted (Rule 17.1). This opinion has nevertheless been established on the assumption that the relevant date is the claimed priority date.					
4.	Add	litional o	bservations, if nece	essary:		
						·
		No. V ustrial a	Reasoned state pplicability; citation	ment und ons and e	er Rule 43 explanatio	Bbis.1(a)(i) with regard to novelty, inventive step or one supporting such statement
1.		tement		<u> </u>		
	Nov	elty (N)		Yes: No:	Claims Claims	1-27 28-31
			-	140.	Ciairis	20-31
	Inve	entive st	ep (IS)		Claims	1-27
				No:	Claims	28-31
	Indu	ıstrial ap	pplicability (IA)	Yes: No:	Claims Claims	1-31
2.	Cita	tions an	d explanations			

see separate sheet

#### Re Item V

Reasoned statement with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

Reference is made to the following documents:

- D1: ZAHN-ZABAL M ET AL: "Development of stable cell lines for production or regulated expression using matrix attachment regions" JOURNAL OF BIOTECHNOLOGY, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL, vol. 87, no. 1, 27 April 2001 (2001-04-27), pages 29-42, XP004231294 ISSN: 0168-1656
- D2: WO 01/38512 A (PLANT BIOSCIENCE LIMITED; BAULCOMBE, DAVID, CHARLES; VOINNET, OLIVIER;) 31 May 2001 (2001-05-31)
- D3: WO 02/074969 A (UNIVERSITY OF LAUSANNE; MERMOD, NICOLAS; ZAHN-ZABAL, MONIQUE; IMHOF, M) 26 September 2002 (2002-09-26)
- D4: VOINNET OLIVIER ET AL: "Suppression of gene silencing: A general strategy used by diverse DNA and RNA viruses of plants" PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA, NATIONAL ACADEMY OF SCIENCE. WASHINGTON, US, vol. 96, no. 24, 23 November 1999 (1999-11-23), pages 14147-14152, XP002174430 ISSN: 0027-8424
- D5: LUI J. et al.; Plant Cell Physiol., 1998, vol. 39, pages 115-123.
- None of the cited documents do discloses the use of PTGS suppression in combination with MAR regions to enhance expression of a target nucleotide. Albeit the documents do discloses a increase of expression when using PTGS or MAR region the synergetic effect with the combination of PTGS and MAR in regard to expression of a target nucleotide (see table 1 of the present application) was not suggested. In view of this surprising effect inventive step can be acknowledged. Hence claims 1-27 do not meet the requirements of Art. 33(2) PCT and 33(3) PCT.
- 2. Claims 28-31 do not meet the requirements of Art 33(2) PCT in view of D5 which discloses constructs comprising transgene flanked by MAR regions (fig.2).

# RITTEN OPINION OF THE TERNATIONAL SEARCHING AUTHORITY (SEPARATE SHEET)

International application No.

PCT/GB2004/005058

- 3. The claims do not meet the requirements of Art. 5 Pct and Art. 6 PCT. It is doubtful that the synergetic effect (on which inventive step is based) can be obtained over the whole claimed range. D5 does discloses that not any MAR region does induce an increase in transgene expression (page 122 last paragraph) and MAR region need to be present at the 3' and 5' end of the construct (page 120 first column). Hence, the scope of the claims should be restricted to methods for which an effect has indeed be shown (i.e the method as given in the examples of the present application).
- 4. The attention of the applicant is drawn to the fact that a reply to this opinion is only expected if he intends to file a chapter II demand.